



# **PROVIDENCE VAMC**

## **ASHP Accredited**

## **PHARMACY RESIDENCY PROGRAMS**

### **Pharmacy Practice PGY1**

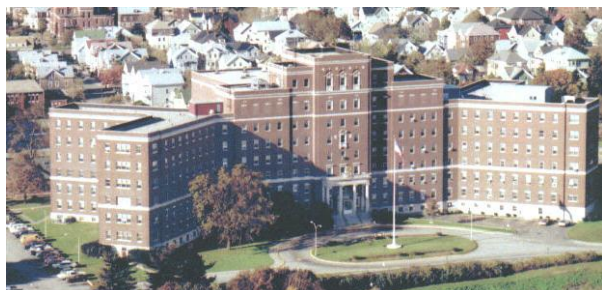
### **Mental Health PGY1**

### **Ambulatory Care PGY2**

### **Mental Health PGY2**

#### **Residency Program History**

The PVAMC residency program was established in 1994 as a Specialty Residency in Primary Care. After graduating many successful residents and in complying with the change in ASHP requirements, the residency program was converted in 2007 to the current PGY2 program in Ambulatory Care. At the same time, the PGY1 Pharmacy Practice program was established to provide more residency training opportunities to today's pharmacy graduates. Additionally in 2013 two new programs in mental health were established. Currently all the PGY1 residency programs and PGY2 residency programs are accredited by ASHP.



The Providence Veterans Affairs Medical Center (PVAMC) is a 75 bed general medicine and surgical teaching hospital, which provides comprehensive patient care. The medical center provides all major diagnostic and treatment specialties as well as comprehensive psychiatric services. The Outpatient Ambulatory Care Program and Clinics support over 150,000 patient visits per year in more than 32 primary and specialty clinics. The Providence VA Hospital and Clinics serve as a teaching facility for Brown University

(Medicine) and the University of Rhode Island and the Massachusetts College of Pharmacy and Health Sciences (Pharmacy) as well as multiple other allied health professions.

#### **The Pharmacy Service**

The pharmacy service features a department consisting of 44 FTEs which includes 25 pharmacists, 18 technicians and 1 administrative support position. Currently there are eight clinical pharmacy specialists in ambulatory care, two PGY1, and one PGY2 residency positions. The Inpatient Pharmacy provides hospital-wide unit dose and intravenous admixture services. The Outpatient Pharmacy provides over 1.3 million 30-day-equivalent prescriptions to over 30,000 veterans per year. Both the Inpatient and Outpatient pharmacies utilize automated dispensing technologies wherever possible including the Pyxis and ScriptPro systems as well as a comprehensive electronic medical record. The Outpatient Pharmacy moved into a new, state-of-the-art, pharmacy in October, 2011.

#### **The Clinical Pharmacy Service**

In addition to the traditional clinical pharmacy services provided in the inpatient and outpatient settings, there has been a concentrated effort to offer advanced clinical pharmacy services in the Ambulatory Care setting. All of the clinical pharmacy specialists have an advanced scope of practice that includes disease specific prescribing authority. These pharmacists are imbedded in Primary Care's Patient Aligned Care Team (Patient Centered Medical Home model) and focus on disease state management. Pharmacist managed clinics include the Metabolic, Diabetes CARE Team, Mental Health, Anticoagulation, Hepatitis C, and Erythropoietin clinics in addition to the traditional Pharmacy Consult clinic. Other responsibilities include drug information, patient education, drug usage evaluations, and formulary policy and management. Residency rotations are also available with the University of Rhode Island College of Pharmacy faculty who have teaching sites at the Providence VAMC.

## **The City of Providence**

Providence is the capital city of Rhode Island, also known as the “Ocean State”. It offers a thriving arts community, vibrant and diverse neighborhoods, a renowned restaurant scene, and a rich historical background. Boston is an hour away and New York City is easily accessible. For outdoor enthusiasts, Rhode Islanders enjoy beautiful beaches, numerous parks, hiking trails, biking paths, kayaking and boating opportunities. For more information visit <http://www.goprovidence.com/>.

## **Overview of the PGY1 Pharmacy Practice and Mental Health Residency**

The PGY1 residency is a 12 month full-time directed training program that builds upon knowledge, skills, and abilities gained from an accredited professional pharmacy degree program. It enhances general competencies in managing medication-use systems and supports optimal medication therapy outcomes for patients with a broad range of disease states. Residents are provided with the opportunity to accelerate their growth beyond the entry-level professional competence in patient-centered care and in pharmacy operational services.

### **Outcome competencies include:**

- Managing and improving the medication use process
- Providing evidence-based, patient centered medication therapy management with interdisciplinary teams
- Exercising leadership and practice management
- Demonstrating project management skills
- Providing medication and practice-related education/training, and
- Utilizing medical informatics

### **Objectives include:**

- Function as a highly competent pharmacy generalist who can function in multiple roles within a pharmacy system
- Participate in drug use review and drug policy development
- Evaluate a patient’s medical record and medication profile and obtain information needed to make pharmaceutical care assessments
- Effectively communicate in both verbal and written modalities to patients and other health care professionals
- Develop educational tools designed to optimize patient understanding and use of medications
- Enhance communication skills through continuing education program presentations

In addition, the resident will complete the following:

- Research Project
  - Background preparation, protocol design, data collection, and analysis of data
  - Written manuscript suitable for submission to a professional journal
  - Presentation at the Eastern States Residency Conference
- Drug monograph / drug information project(s)
- Pharmacy In-services and Continuing Education
- At least one lecture in therapeutics at a College of Pharmacy

### **Rotations - Required**

Orientation / Training / Ambulatory Care Introduction  
Inpatient Pharmacy / Outpatient Pharmacy Operations  
Pharmacy Consult / Metabolic Clinic (3 months)  
Internal Medicine  
Infectious Diseases #  
Specialty Care Pharmacy Clinics  
Drug Information  
Ambulatory Care Longitudinal  
Administrative Longitudinal  
Home Bound Primary Care Longitudinal (HBPC)  
Residency Project  
Inpatient Mental Health\*  
Outpatient Mental Health\*

# Elective for Mental Health

\* Required for Mental Health

### **Elective Rotations**

Psychiatry Outpatient / Inpatient	Internal Medicine (physician based)
Inpatient / Outpatient Operations / Administration	Elective (subject determined with RPD)
Physician Based Mini-Rotations (Cardiology, Rheumatology, Dermatology, Infectious Diseases, other)	

### **Teaching Opportunities**

Providing the pharmacy resident with opportunities to teach is a primary objective of the VA residency programs. The pharmacy service provides clinical and institutional clerkships for Pharm.D. students from the University of Rhode Island College of Pharmacy and the Massachusetts College of Pharmacy and Health Sciences – Boston and Worcester campuses. Additionally, residents contribute to the University teaching mission with lectures to Pharm.D. students as well as presentations to the PVAMC pharmacy, medical, and nursing staff. The residency program participates in a formal teaching certificate program.

### **Service Commitment**

All PGY1 residents have a service commitment designed to ensure that they gain experience and can function as a pharmacy generalist. To achieve this objective, residents are scheduled approximately 16 hours per month (two weekend days per month) in a PVAMC pharmacy setting and are expected to perform as a patient care pharmacist or as an operations pharmacist under the guidance of a supervising pharmacist.

### **PGY2 Early Option**

For PGY1 residents at PVAMC who want to complete a second year of residency training, early acceptance into the either Providence VAMC PGY2 Ambulatory Care Residency or Mental Health Residency may be considered during the late fall as an option. Those residents accepted for early admission to the PGY2 program will NOT participate in the ASHP Match program.

## **Overview of the PGY2 Residency in Ambulatory Care Program**

The PGY2 Residency in Ambulatory Care is a 12 month, full-time program designed to provide the SECOND YEAR resident with advanced training in physical assessment, clinical decision making, and disease state management in an environment which emphasizes interdisciplinary managed care.

**The goal of the PVAMC Ambulatory Care residency is to train practitioners as competent direct care providers in a variety of pharmacist-directed clinics in addition to sub-specialty clinics.** The potential settings include the following:

**Pharmacist Directed:** • Primary Care (Pharmacy Consult) • Anticoagulation Clinic • Hepatitis C Clinic • Cardiac Risk Reduction Clinic • Psychiatry Clinic • Erythropoietin Growth Factor Clinic • HBPC

**Physician Directed:** • Endocrinology • Neurology • Women's Health Clinic • Pulmonary Clinic • Dermatology Clinic • Hematology • Cardiology • HIV/Infectious Disease Clinic

Ongoing activities include working on special projects for the Pharmacy and Therapeutics Committee, participating in research projects and active participation in precepting PGY1 Pharmacy Practice Residents and PharmD clerkship students on primary care rotations as well as other teaching / lecturing activities.

## **Objectives of the Ambulatory Care Residency**

The objectives of the specialty residency program are to provide the Ambulatory Care Resident with an opportunity to complete the following:

- Improve the skills necessary to function independently as a Clinical Pharmacy Specialist in a primary / ambulatory care setting
- Identify, resolve, and prevent drug related problems through the use of patient interview, physical assessment, patient observation, and medical profile review
- Evaluate a patient's medical record and medication profile and obtain information needed to make primary care assessments
- Improve continuity of care by promoting interdisciplinary communication and cooperation for the optimal care of patients

In addition, the resident will complete the following:

- Research Project
  - Background preparation, protocol design, data collection, and analysis of data
  - Manuscript submission to a professional journal
  - Presentation at the Eastern States Residency Conference
- An administrative project
- Pharmacy In-services and Continuing Education lectures

## **Overview of the PGY2 Residency in Mental Health Program**

The PGY2 Residency in Mental Health is a 12 month, full-time program designed to provide the SECOND YEAR resident with advanced training in clinical decision making, and disease state management in an environment which emphasizes interdisciplinary mental health care.

**The goal of the PVAMC Mental Health residency is to train practitioners as competent direct care providers in multiple areas of variety of pharmacist-directed clinics in addition to sub-specialty clinics.** The potential settings include the following:

**Pharmacist Directed:** • Primary Care (Pharmacy Consult) • Anticoagulation Clinic • Hepatitis C Clinic • Cardiac Risk Reduction Clinic • Psychiatry Clinic • Erythropoietin Growth Factor Clinic

**Physician Directed:** • Endocrinology • Neurology • Women's Health Clinic • Pulmonary Clinic • Dermatology Clinic • Hematology • Cardiology • HIV/Infectious Disease Clinic

Ongoing activities include working on special projects for the Pharmacy and Therapeutics Committee, participating in research projects and active participation in precepting PGY1 Pharmacy Practice Residents and Pharm.D clerkship students on primary care rotations as well as other teaching / lecturing activities.

## **Objectives of the Mental Health Residency**

The objectives of the specialty residency program are to provide the Mental Health Resident with an opportunity to complete the following:

- Improve the skills necessary to function independently as a Clinical Pharmacy Specialist in a mental health setting
- Identify, resolve, and prevent drug related problems through the use of patient interview, physical assessment, patient observation, and medical profile review
- Evaluate a patient's medical record and medication profile and obtain information needed to make assessments
- Improve continuity of care by promoting interdisciplinary communication and cooperation for the optimal care of patients

In addition, the resident will complete the following:

- Research Project
  - Background preparation, protocol design, data collection, and analysis of data
  - Manuscript submission to a professional journal
  - Presentation at the College of Psychiatric and Neurologic Pharmacist Conference
- An administrative project
- Pharmacy In-services and Continuing Education lectures

## **Residency Program Benefits**

Resident Stipend: PGY1: \$44,928

PGY2: \$48,672

Vacation: Vacation time will accrue at a rate of four (4) hours per pay period (26 pay periods per year) for a total of thirteen (13) paid vacation days.

Holidays: Ten (10) paid holidays

Required Conference Attendance: Residents will attend the Midyear Clinical Meeting and the Eastern States Residency Conference

Sick Leave: Sick time will accrue at the rate of 4 hours per pay period for a maximum of 13 sick days.

Health Insurance: Available on a group rate basis.

Parking: Free

## **Additional Benefits**

Intermittent Pharmacist Position: After licensure, the PGY1 or PGY2 resident may choose to work additional hours in the inpatient or outpatient pharmacies or on special clinical projects (when available) for the Pharmacy Service at a pay rate commensurate to that of a staff pharmacist position. This pay is in addition to the Residency stipend. The extra hours are NOT included as part of the residency program or as part of the service commitment.

Job openings within the VA after graduation are plentiful across the country, many of which are at the clinical pharmacy specialist or supervisory levels.

## **Qualifications**

- Be a citizen of the United States
- Have received a Doctor of Pharmacy degree from an ACPE accredited college of pharmacy or a Bachelor of Science degree in Pharmacy with equivalent experience for the PGY1 Pharmacy Practice Residency
- Have completed a PGY1 Residency or have equivalent experience for the PGY2 Residency in Ambulatory Care and Mental Health
- Have /obtain a current license to practice as a registered pharmacist in any one state

## **Application Requirements – Per Phorcas**

- Residency application form. **Deadline is January 8, 2016 for all application materials.**
- Letter of intent describing goals/ reasons for pursuing advanced training in Pharmacy Practice or in Ambulatory Care Pharmacy Practice.
- Official College of Pharmacy transcript
- Three letters of recommendation (2 academic, 1 employer)
- CV or Resume
- Completed VA application for employment

**NOTE:** Applicants for the **PGY1 and PGY2 Residencies** **MUST participate** in the ASHP Matching Program.

## **Inquiries / Contact Information**

Inquires or questions regarding the residency programs can be made to the Residency Program Director:

**Carol Botelho, Pharm.D, BCACP, CGP**  
**Providence VAMC, Pharmacy Service (119)**  
**830 Chalkstone Ave.**  
**Providence, R.I. 02908**

[Carol.Botelho@va.gov](mailto:Carol.Botelho@va.gov)

## **FACULTY BIOS**

### **Bradley E. Peterson, Pharm.D, BCACP**

*Acting Chief of Pharmacy*

*Clinical Practice Site: VA Medical Center*

Dr. Peterson is a 1980 graduate of the Medical University of South Carolina in Charleston, South Carolina and completed an ASHP accredited residency in Pharmacy Practice at the same institution in 1981. He earned his Doctor of Pharmacy degree from the University of Florida College of Pharmacy in 2007. Dr. Peterson has held multiple positions ranging from acute care inpatient staff, to clinical pharmacy coordinator, to assistant and associate director of pharmacy positions. He has served as a preceptor for both the MCPHS University – Worcester and the URI College of Pharmacy externship and clerkship programs. He holds a membership in ASHP, ACCP, ASCP and has held several positions on the Board of Directors of the RISHP state affiliate. Dr. Peterson's current practice interests include collaborative practice / pharmacist directed primary care, pharmacy benefits / formulary management, and the integration/ continuity of ambulatory care/ inpatient clinical pharmacy services.

### **George Hoell, Pharm.D**

*Clinical Pharmacy Specialist*

*Clinical Practice Site: VA Medical Center*

Dr. Hoell received his Bachelor of Science degree in 1976 and the Doctor of Pharmacy degree in 2000 from MCPHS University. Dr. Hoell has participated in the establishment and development of the Clinical Pharmacy Consult Service in the ambulatory care setting over the last 15 years. He currently practices in this multidisciplinary setting and specializes in the disease state management of diabetes, hypertension, dyslipidemia, smoking cessation, and pain management. Dr. Hoell serves as a preceptor for Pharm.D candidates from MCPHS University – Worcester.

### **Carol Botelho, Pharm.D, BCACP, CGP**

*Residency Program Director/Clinical Pharmacy Specialist*

*Clinical Practice Site: VA Medical Center*

Dr. Botelho received both her Bachelor of Science and Doctor of Pharmacy degrees from the University of Rhode Island. Dr. Botelho joined the ambulatory care clinical pharmacy staff in 2006 after serving as an acute care (inpatient) clinical pharmacist in the private sector where she was a preceptor for the URI College of Pharmacy externship and clerkship programs. She has recently moved into the Residency Program Director position, she also works in primary care and is the clinical pharmacist for the Home Based Primary Care program. Dr. Botelho's interests include research, geriatrics and disease state management of diabetes, hypertension, and dyslipidemia. Dr. Botelho is a preceptor for Pharm.D candidates from MCPHS University and the University of Sciences – Philadelphia.

### **Christine Borowy, Pharm.D, BCPS**

*Clinical Pharmacy Specialist*

*Clinical Practice Site: New Bedford (CBOC) – VA Medical Center*

Dr. Borowy joined the clinical staff in 2011 as the first clinical pharmacy specialist located in the Community-Based Outpatient Clinic (CBOC). Dr. Borowy received her Doctor of Pharmacy degree from the University of Pittsburgh in 2005 and completed her Primary Care Pharmacy Residency at the Louis Stokes VAMC in 2007. She is currently Board Certified in Pharmacotherapy. She has been a clinical pharmacy specialist in primary care at the Dwight D. Eisenhower VAMC and Chillicothe VAMC. Her areas of interest include diabetes, hypertension, dyslipidemia, and smoking cessation.

### **Megan E. Crete, Pharm.D**

*Clinical Pharmacy Specialist*

*Clinical Practice Site: VA Medical Center*

Dr. Crete graduated from the University of Rhode Island in 2005 and completed her Specialty Pharmacy Residency in Primary Care in 2006 at the Providence VAMC. After completion of her residency, Dr. Crete worked as a clinical pharmacy specialist at the Northampton VAMC specializing in anticoagulation and disease state

management. Before joining the PVAMC Clinical Pharmacy Service, Dr. Crete practiced as a Clinical Pharmacist in the Inpatient (acute care) setting at PVAMC. Dr. Crete's interests include disease state management of diabetes, hypertension, dyslipidemia, and anticoagulation. Dr. Crete is a preceptor for the PharmD candidates from the MCPHS University – Worcester.

**Glenn Balian, Pharm.D, MBA**

*Clinical Pharmacy Specialist*

*Clinical Practice Site: VA Medical Center*

Dr. Balian holds a Pharm.D. from the Northeastern University School of Pharmacy, Boston, MA during which time he completed research, acute care, and outpatient care rotations. Subsequently, Dr. Balian graduated from a combined outpatient and acute care PGY1 residency at the VA Boston Medical Center. Dr. Balian is a Persian Gulf combat veteran holding a B.S. from the United States Military Academy, West Point, and an MBA from the University of Michigan Ross School of Business. Dr. Balian joined the Providence VA Medical Center clinical pharmacy staff in 2012, and serves as a preceptor for Pharm.D. candidates from MCPHS University– Worcester and the Northeastern University School of Pharmacy.

**Margaret “Maggie” Quillin, Pharm.D**

*Coordinator, Anticoagulation Services*

*Practice Site: VA Medical Center*

Dr. Quillin's area of clinical practice is focused on the management of anticoagulation. She currently coordinates the Anticoagulation Clinic at the Providence VAMC, which provides services to over 900 veterans, as well as a Heparin Clinic for patients requiring low molecular weight heparin therapy. Dr. Quillin is a preceptor for PharmD candidates from the University of Rhode Island and the MCPHS.

**Marlene I. Callahan, Pharm.D**

*Clinical Pharmacy Specialist*

*Clinical Practice Site: VA Medical Center*

Dr. Callahan is a clinical pharmacy specialist primarily involved in the GI (Hepatitis C) Clinic and the Anticoagulation Clinic. She precepts pharmacy students and residents in these two specialty areas. Dr. Callahan joined the PVAMC Pharmacy Service after completing a Primary Care Pharmacy Residency at this practice site.

**Carlos Freitas, Pharm.D, BCACP**

*Clinical Pharmacy Specialist*

*Clinical Practice Site: VA Medical Center*

Dr. Freitas holds a Pharm.D from MCPHS University, Worcester, MA and completed both his PGY-1 residency, as well as PGY-2 Ambulatory Care residency at the Providence VA Medical Center. Dr. Freitas specializes in chronic disease states such as diabetes, hypertension and hyperlipidemia. He leads the erythropoietin clinic and is involved in diabetes care team, home based primary care and anticoagulation clinic.

**University of Rhode Island Faculty with Clinical Sites at the PVAMC**

Robert L. Dufresne, Ph.D., BCPS, BCPP

Clinical Practice: Psychiatry / Psychopharmacology

Kerry LaPlante, PharmD

Clinical Practice: Infectious Diseases

Tracey Taveira, PharmD, CDOE

Clinical Practice: Secondary Cardiovascular Risk Reduction / Diabetes

Nicole Asal, PharmD, BCPS

Clinical Practice: Internal Medicine

Kristina Ward, PharmD, BCPS

Drug Information Service, Practice site at the URI College of Pharmacy